

## ABSTRACT

A method and associated apparatus is provided for improving the performance of a high speed memory bus by substantially eliminating bus reflections caused by electrical stubs. The stubs are substantially eliminated by connecting system components in a substantially stubless configuration using a looping bus for continuing the looping bus through each device. The invention also provides an interface circuit that enables data communications between devices of different technologies. The interface circuit connects to the looping data bus and includes a circuit for providing voltage level, encoding type, and data rate conversions for data received from the looping data bus and intended for use on a second data bus connected to the interface circuit.